HSSTAC SUMMARY

Homeland Security Science and Technology Advisory Committee

September 27, 2012

Mary Hanson
Executive Director
Homeland Security Science and Technology Advisory Committee (HSSTAC)
Science and Technology Directorate
Federal Advisory Committee Act

- Brings outside expertise into the federal government
- Ensures “that advice…is objective and accessible to the public.”
- 1000+ exist today (26 in DHS)

http://www.gsa.gov/portal/content/21242
<table>
<thead>
<tr>
<th>Agency</th>
<th>Committee</th>
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<tbody>
<tr>
<td>DHS Aviation Security Advisory Committee</td>
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<td>DHS Board of Visitors for the National Fire Academy</td>
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<td>DHS Chemical Transportation Advisory Committee</td>
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<td>DHS Commercial Fishing Safety Advisory Committee</td>
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<td>DHS Data Privacy and Integrity Advisory Committee</td>
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<td>DHS Delaware River and Bay Oil Spill Advisory Committee</td>
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<td>DHS Departmental Advisory Committee on Commercial Operations of Customs and Border Protection and Related Functions</td>
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<td>DHS Expert Panel on Cost Estimating for the Public Assistance Program</td>
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<td>DHS Great Lakes Pilotage Advisory Committee</td>
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<td>DHS Homeland Security Advisory Council</td>
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<td>DHS Homeland Security Information Network Advisory Committee</td>
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<td>DHS  <strong>Homeland Security Science and Technology Advisory Committee</strong></td>
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<td>DHS Houston-Galveston Navigation Safety Advisory Committee</td>
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<td>DHS Lower Mississippi River Waterway Safety Advisory Committee</td>
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<td>DHS Merchant Marine Personnel Advisory Committee</td>
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<td>DHS Merchant Mariner Medical Advisory Committee</td>
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<td>DHS National Boating Safety Advisory Council</td>
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<td>DHS National Infrastructure Advisory Council</td>
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<td>DHS National Maritime Security Advisory Committee</td>
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<td>DHS National Offshore Safety Advisory Committee</td>
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<td>DHS Navigation Safety Advisory Council</td>
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<td>DHS President's National Security Telecommunications Advisory Committee</td>
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<td>DHS The Department of Homeland Security National Advisory Council</td>
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<td>DHS Towing Safety Advisory Committee</td>
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<td>DHS U.S. Customs and Border Protection Airport and Seaport Inspections User Fee Advisory Council</td>
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<tr>
<td>DHS U.S. Customs Service COBRA Fees Advisory Committee</td>
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Federal Register Notice

Homeland Security Science and Technology Advisory Committee (HSSTAC)

A Notice by the Homeland Security Department on 09/13/2012

This article has a comment period that ends in 2 days (09/25/2012)

SUBMIT A FORMAL COMMENT

ACTION
Committee Management Notice Of Federal Advisory Committee Meeting.

SUMMARY
The Homeland Security Science and Technology Advisory Committee (HSSTAC) will meet on September 27-28, 2012 in Washington, DC. The meeting will be open to the public.

DATES:
The HSSTAC will meet Thursday, September 27, 2012, 9 a.m.-4:30 p.m. and Friday, September 28, 2012, 9 a.m.-3:30 p.m. The meeting may close
• Only formal advisory committee for DHS S&T
  • First met in 2004 as a statutory committee
  • Discretionary since 2009
  • Five reports and numerous white papers so far
  • Reconstituted and re-chartered in 2011

• Members appointed by DHS Secretary
  • Membership must be balanced re: “function and viewpoint”
  • Up to 20 members for two-year terms
  • Special Government Employees (SGEs)
  • 30 members total have served so far
  • 11 members appointed in June 2012
<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
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<tbody>
<tr>
<td><strong>Steven Bellovin</strong>*</td>
<td>Chief Technologist, Federal Trade Commission; Professor of Computer Science, Columbia University</td>
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<tr>
<td><strong>Kathleen Carley</strong></td>
<td>Professor of Computation, Organization and Society, Carnegie Mellon University</td>
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<tr>
<td><strong>John Carrano</strong></td>
<td>President, Carrano Consulting</td>
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<tr>
<td><strong>Julie Casani</strong></td>
<td>Director of Public Health Preparedness and Response, North Carolina</td>
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<td><strong>Phil DePoy</strong></td>
<td>Consultant</td>
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<tr>
<td><strong>Dean Kamen</strong></td>
<td>President, DEKA Research and Development Corporation</td>
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<tr>
<td><strong>Alexander Levis</strong>*</td>
<td>University Professor of Electrical, Computer, and Systems Engineering, George Mason University</td>
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<tr>
<td><strong>Mark Lister</strong></td>
<td>President, StratTech, Inc.</td>
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<td><strong>Jack Parow</strong></td>
<td>President, International Association of Fire Chiefs (IAFC)</td>
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<tr>
<td><strong>Yossi Sheffi</strong></td>
<td>Elisha Gray II, Professor of Engineering Systems, Massachusetts Institute of Technology (MIT)</td>
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</tbody>
</table>

* Returning Members

As of 26SEP11
HSSTAC Objectives

- Consensus scientific and technical advice to Under Secretary
- Addresses areas such as systems engineering, cybersecurity, knowledge management, leveraging related technologies
- Advises on policies, management processes and organizational constructs as needed
- Advises HSAC as requested

Source: HSSTAC Charter
HSSTAC Focus Areas

- Behavioral sciences
- Biological defense
- Border protection
- Chemical defense
- Cyber security
- Explosives detection
- First responders
- Innovation
- Intelligence
- Technology leveraging

As of DEC11
HSSTAC Subcommittees

- To be assigned as needed
- Chairman to select members
- Can be just 3-4 members each
- Can bring in consultants
- No public notice required
- Documentation is required
- Designated Federal Officer (DFO) must attend
Virtual Meeting Option

Homeland Security Information Network
Welcome to HSIN

New Look with Improved Security

User Name:  
Password:  
Log In

You are accessing a U.S. Government information system, which includes (1) this computer, (2) this computer network, (3) all computers connected to this network, and (4) all devices and storage media attached to this network or to a computer on this network. This information system is provided for U.S. Government-authorized use only. Unauthorized or improper use or access of this system may result in disciplinary action, as well as civil and criminal penalties. By using this information system, you understand and consent to the following: You have no reasonable expectation of privacy when you use this information system; this includes any communications or data transiting or stored on this information system. At any time, and for any lawful government purpose, the government may, without notice, monitor, intercept, search and seize any communication or data transiting or stored on this information system. The government may disclose or use any communications or data transiting or stored on this information system for any lawful government purpose, including but not limited to law enforcement purposes. You are NOT authorized to process classified information on this system.

DO NOT PROCESS CLASSIFIED INFORMATION ON THIS SYSTEM

U.S. Department of Homeland Security
• IEDs: Coming to America (Feb. 29, 2008)
• Chemical and Biological Defense Issues (Dec. 1, 2008)
• Cyber Security Issues – 1 (Dec. 1, 2008)
• Program Assessment – 1 (Dec. 1, 2008)
• Maritime Improvised Explosive Devices: Threat and Response (Oct. 1, 2008)

All FOUO/not For Public Release
Former Member Comments

• “It gave me more insight into how things work at the federal level.”

• “I got a better appreciation for the challenges faced by DHS, having to act and form itself simultaneously. The general public doesn’t seem to get that.”

• “Organizational issues seem to come up over and over.”
Science and Technology Directorate  
Homeland Security Science and Technology Advisory Committee

The Homeland Security Science and Technology Advisory Committee (HSSTAC) serves as a source of independent expert advice to the Under Secretary for Science and Technology.

Current HSSTAC Meeting Information

September 27 – 28, 2012

- Federal Register Notice for Meeting
- Meeting Agenda

Authorities

- HSSTAC Charter
- Notice of Establishment of Committee

HSSTAC Leadership

- HSSTAC Members

Past Meetings

- July 20-21, 2010 (closed)  Meeting Notice
- April 20-22, 2010 (closed)  Meeting Notice
- January 26-28, 2010 (closed)  Meeting Notice
- October 26-27, 2009 (closed)  Meeting Notice
- July 21-23, 2009  Meeting Notice